

MAY 06 2003

SHEET 1 OF 1

INFORMATION DISCLOSURE  
CITATION

PTO-1449

ATTY. DOCKET NO.

24717-717

SERIAL NO.

10/070,515

APPLICANT Lloyd, et al.

FILING DATE 7/25/02

GROUP 2661

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
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EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
CH	0 504 537	3/22/91	Europe			<input type="checkbox"/>	<input type="checkbox"/>
CH	WO 00/38381	6/29/00	PCT			<input type="checkbox"/>	<input type="checkbox"/>
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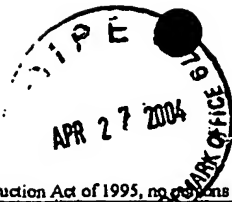
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Papadopoulos, Constantinos, et al., "Microprocessing and Microprogramming", <i>Protection and Routing Algorithms for Network Management</i> , September 1993, Vol. 38, Nos. 1/5, pp. 163-170.

EXAMINER /Chuong Ho/

DATE CONSIDERED 01/01/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Under the paperwork Reduction Act of 1995, no responses required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>		
				Application No.	10/070,515	
				Filing Date	07/25/2002	
				First Named Inventor	Lloyd	
				Art Unit	2661	
				Examiner Name	Olms	
Sheet	1	Of	1	Attorney Docket No.		24717-717

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Examiner's Initials	Cite No. 1	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
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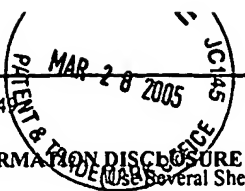
FOREIGN PATENT DOCUMENTS						
Examiner's Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
EXAMINER SIGNATURE		/Chuong Ho/		DATE CONSIDERED	01/01/2007	

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1 Applicant's unique citation designation number (optional) 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Attorney Docket No.



FORM PTO-1449  
(Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: AVARS-02500

Serial No.: 10/070,515

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use Several Sheets If Necessary)

Applicants: Michael J. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: July 25, 2002

Group Art Unit: 2661

**FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS**

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
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Examiner: /Chuong Ho/

Date Considered: 01/01/2007

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Patent and Trademark Office

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Group Art Unit: 2661

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CH	BL	C. Alaettinoglu et al. "Routing Policy Specification Language (RPSL)," <a href="http://quimby.gnus.org/internet-drafts/draft-ietf-rpsl-v2-00.txt">http://quimby.gnus.org/internet-drafts/draft-ietf-rpsl-v2-00.txt</a> , pages 1-56.
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06/13/05

IDS - 06/13/2005 **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>METHOD AND APPARATUS FOR ASSESSMENT AND OPTIMIZATION OF NETWORK TRAFFIC</b>																																												
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>Application Number : 10/070515</p> <p>Confirmation Number: 6824</p> <p>First Named Applicant: Michael Lloyd</p> <p>Attorney Docket Number:</p> <p>Art Unit:</p> <p>Examiner:</p> <p>Search string: ( 6434606 or 6438592 or 6452950 or 6463454 ).pn</p> </div> <div style="width: 45%; text-align: center;">  </div> </div> <p><u><b>Certification:</b></u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.</p> <p><b>US Patent Documents</b></p> <p><b>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</b></p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr> <td>CH</td> <td>1</td> <td>6434606</td> <td>2002-08-13</td> <td>Borella et al.</td> <td>B1</td> <td></td> <td></td> </tr> <tr> <td>CH</td> <td>2</td> <td>6438592</td> <td>2002-08-20</td> <td>Killian</td> <td>B1</td> <td></td> <td></td> </tr> <tr> <td>CH</td> <td>3</td> <td>6452950</td> <td>2002-09-17</td> <td>Ohlsson et al.</td> <td>B1</td> <td></td> <td></td> </tr> <tr> <td>CH</td> <td>4</td> <td>6463454</td> <td>2002-10-08</td> <td>Lumelsky et al.</td> <td>B1</td> <td></td> <td></td> </tr> </tbody> </table> <p><b>Signature</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Examiner Name</td> <td style="width: 50%; text-align: center;">Date</td> </tr> <tr> <td style="text-align: center;">/Chuong Ho/</td> <td style="text-align: center;">01/01/2007</td> </tr> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	CH	1	6434606	2002-08-13	Borella et al.	B1			CH	2	6438592	2002-08-20	Killian	B1			CH	3	6452950	2002-09-17	Ohlsson et al.	B1			CH	4	6463454	2002-10-08	Lumelsky et al.	B1			Examiner Name	Date	/Chuong Ho/	01/01/2007
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CH	1	6434606	2002-08-13	Borella et al.	B1																																								
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Examiner Name	Date																																												
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07/25/06

Sheet 1 of 1

FORM PTO-1449  
(Modified)

JUL 25 2005

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: AVARS-02500

Serial No.: 10/070,515

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(Use Several Sheets If Necessary)

Applicants: Michael J. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: July 25, 2002

Group Art Unit: 2661

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
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	AB						
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	AI						
	AJ						

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
	AK							
	AL							
	AM							
	AN							
	AO							

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
	AQ	
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	AV	
	AW	
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	AY	
	AZ	

Examiner:

/Chuong Ho/

Date Considered:

01/01/2007

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# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>METHOD AND APPARATUS FOR ASSESSMENT AND OPTIMIZATION OF NETWORK TRAFFIC</b>
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Application Number : 10/070515



Confirmation Number: 6824

First Named Applicant: Michael Lloyd

Attorney Docket Number:

Art Unit:

Examiner:

Search string: ( 4284852 or 4345116 or 4495570 or 4594704 or 4669113 or 4704724 or 4726017 or 4748658 or 4788721 or 4839798 or 4920432 or 4931941 or 4939726 or 4949187 or 4949248 or 5142570 or 5172413 or 5253341 or 5287537 or 5291554 or 5341477 or 5371532 or 5375070 or 5406502 or 5410343 or 5414455 or 5442389 or 5442390 or 5442749 or 5452294 or 5471622 or 5475615 or 5477536 or 5508732 or 5515511 or 5519435 or 5521591 or 5528281 or 5535195 or 5563875 or 5629930 or 5631897 or 5636216 or 5668800 or 5675741 or 5754639 or 5793976 or 5802106 ).pn

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**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

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**Signature**

Examiner Name	Date
CHUONG HO	01/01/07



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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<b>Title of Invention</b>	<b>METHOD AND APPARATUS FOR ASSESSMENT AND OPTIMIZATION OF NETWORK TRAFFIC</b>
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Search string: ( 5805594 or 5835710 or 5845091 or 5974457 or 6006264 or 6009081 or 6026411 or 6069889 or 6108703 or 6111881 or 6119235 or 6130890 or 6167052 or 6173324 or 6282562 or 6286045 or 6339595 or 6341309 or 6415323 or 6526056 or 6601098 or 6608841 or 6611872 or 6625648 or 6631419 or 6633640 or 6714549 or 6748426 or 6766381 or 20010037311 or 20020038331 or 20020124100 or 20030016770 ),pn

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**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

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Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
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## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

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## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

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Examiner: /Chuong Ho/

Date Considered: 01/01/2007

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

03/02/06

Sheet 1 of 1

FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: AVARS-02500		Serial No.: 10/070,515	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)				Applicants: Michael J. Lloyd et al.			
(37 CFR § 1.98(b))				Filing Date: July 25, 2002		Group Art Unit: 2661	

U.S. PATENT DOCUMENTS						
Examiner Initials	Serial Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
CH	AA	6,385,643 B1	Jacobs et al.	709	203	9/23/99
CH	AB	6,453,356 B1	Sheard et al.	709	231	4/15/98
CH	AC	6,493,353 B2	Kelly et al.	370	467	5/7/98
CH	AD	6,601,101 B1	Lee et al.	709	227	3/15/00
CH	AE	6,704,768 B1	Zombek et al.	709	201	11/8/00
CH	AF	6,751,562 B1	Blackett et al.	702	61	3/22/01
CH	AG	6,826,613 B1	Wang et al.	709	227	3/15/00
CH	AH	6,839,745 B1	Dingari et al.	709	219	10/10/00
CH	AI	6,981,055 B1	Ahuja et al.	709	238	8/22/00
CH	AJ	2002/0101821 A1	Feldmann et al.	370	232	6/7/01
CH	AK	2002/0184527 A1	Chun et al.	713	201	9/19/01

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Examiner: /Chuong Ho/	Date Considered: 01/01/2007
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IDS - 07/31/2006 **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18

Stylesheet Version v18.0

**Title of  
Invention**

**METHOD AND APPARATUS FOR THE ASSESSMENT AND  
OPTIMIZATION OF NETWORK TRAFFIC**

Application Number : 10/070515  
Confirmation Number: 6824  
First Named Applicant: Michael Lloyd



Attorney Docket Number:

Art Unit:

Examiner:

Search string: ( 6034946 or 6226266 or 6661797 or 6711137 or 6795399 or 6885641 or 6909700 or 7002917 or 7065584 ).pn

**Certification:** This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

**US Patent Documents**

**Note:** Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CH	1	6034946	2000-03-07	Roginsky et al.			
CH	2	6226266	2001-05-01	Galand et al.	B1		
CH	3	6661797	2003-12-09	Goel et al.	B1		
CH	4	6711137	2004-03-23	Klassen et al.	B1		
CH	5	6795399	2004-09-21	Benmohamed et al.	B1		
CH	6	6885641	2005-04-26	Chan et al.	B1		
CH	7	6909700	2005-06-21	Benmohamed et al.	B1		
CH	8	7002917	2006-02-21	Saleh	B1		
CH	9	7065584	2006-06-20	Shavitt et al.	B1		

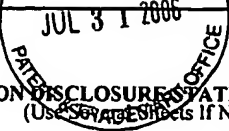
**Signature**

/Chuong Ho/

01/01/2007

Examiner Name

Date

FORM PTO-1449 (Modified)				U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: AVARS-02500		Serial No.: 10/070,515	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use Separate Sheets If Necessary)						Applicant: Michael A. Lloyd et al.			
(37 CFR § 1.98(b))						Filing Date: 07/25/2002		Group Art Unit: 2661	
<b>U.S. PATENT DOCUMENTS</b>									
Examiner Initials	Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date			
CH	AA	2002/0087687 AI	07/04/2002	Zaifman et al.	709	225	09/18/2001		
CH	AB	2002/0152318 AI	10/17/2002	Menon et al.	709	231	03/04/2002		
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CH	AD	5,471,623	11/28/1995	Napolitano, Jr.	395	200.03	02/26/1991		
CH	AE	5,574,938	11/12/1996	Bartow et al.	395	800	06/01/1995		
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CH	AM	7,043,562 B2	05/09/2006	Dally et al.	709	238	06/09/2003		
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Examiner: /Chuong Ho/				Date Considered: 01/01/2007					
<b>EXAMINER:</b> Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

11/30/06

Sheet 1 of 1

FORM PTO-1449  
(Modified)

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U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: AVARS-02500

Serial No.: 10/070,515

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use Several Sheets If Necessary)

Applicants: Michael A. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: 07/25/2002

Group Art Unit: 2616

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
CH	AA	6,711,152 B1	03/23/2004	Kalmanek, Jr. et al.	370	351	07/06/1999
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CH	AU	Nick Feamster et al., "Controlling the Impact of BGP Policy Changes on IP Traffic", November 6, 2001, pages 1-18.
CH	AV	Dean Jones, "Developing Shared Ontologies in Multi-Agent Systems", pages 1-10.
CH	AW	L. Massoulié et al., "Arguments in favour of admission control for TCP flows", pages 1-16.
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Examiner: /Chuong Ho/

Date Considered: 01/01/2007

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11/06/06

Sheet 1 of 1

FORM PTO-1449  
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Attorney Docket No.: AVARS-02500

Serial No.: 10/070,515

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Applicants: Michael A. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: 07/25/2002

Group Art Unit: 2616

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CH	AA	6,973,490 B1	12/06/2005	Robertson et al.	709	224	06/23/2000
CH	AB	US 2001/0010059 A1	07/26/2001	Burman et al.	709	224	10/28/1998
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Sheet 1 of 1

FORM PTO-1449  
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Applicants: Michael A. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: July 25, 2002

Group Art Unit: 2616

## U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
CH	AA	5,940,478	8/17/99	Vaudreuil et al.	379	88.18	5/31/96
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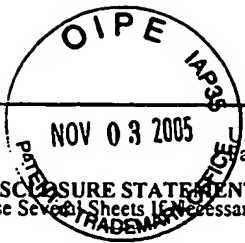
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FORM PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.: AVARS-02500

Serial No.: 10/070,515

INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
(Use Seven Sheets If Necessary)

Applicants: Michael J. Lloyd et al.

(37 CFR § 1.98(b))

Filing Date: July 25, 2002

Group Art Unit: 2661

## U.S. PATENT DOCUMENTS

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CH	AP	Yasushi Saito et al., "Manageability, Availability and Performance in Porcupine: A Highly Scalable, Cluster-Based Mail Service", 17th ACM Symposium on Operating System Principles, pp. 1-15, Dec. 1999.					
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CH	AR	Nikolaos Skarmas et al., "Intelligent Routing Based on Active Patterns as the Basis for the Integration of Distributed Information Systems", Department of Computing Imperial College London, February 1997.					
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**UNITED STATES PATENT AND TRADEMARK OFFICE  
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Electronic Version 1.1

Stylesheet Version v1.1.1

<b>Title of Invention</b>	<b>METHOD AND APPARATUS FOR ASSESSMENT AND OPTIMIZATION OF NETWORK TRAFFIC</b>													
<b>Submission Type:</b>	Information Disclosure Statement													
<b>Application Number:</b>	10/070515	<b>*10/070515*</b>												
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Page 2 of 2

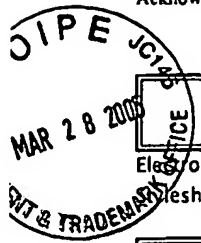
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Electronic Version v1.1 Stylesheet Version v1.1.0										
<b>Title of Invention</b>	<b>METHOD AND APPARATUS FOR ASSESSMENT AND OPTIMIZATION OF NETWORK TRAFFIC</b>									
Application Number: 10/070515 *10/070515*										
Date: 2002-07-25										
First Named Applicant: Michael J. Lloyd										
Confirmation Number: 6824										
Attorney Docket Number:										
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>										
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Thomas B. Haverstock	/tbh/	Attorney								
Registered Number: 32571										

Documents being submitted	Files
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**UNITED STATES PATENT AND TRADEMARK OFFICE  
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First Named Applicant:	Michael Lloyd						
Attorney Docket Number:							
Search string:	( 4284852 or 4345116 or 4495570 or 4594704 or 4669113 or 4704724 or 4726017 or 4748658 or 4788721 or 4839798 or 4920432 or 4931941 or 4939726 or 4949187 or 4949248 or 5142570 or 5172413 or 5253341 or 5287537 or 5291554 or 5341477 or 5371532 or 5375070 or 5406502 or 5410343 or 5414455 or 5442389 or 5442390 or 5442749 or 5452294 or 5471622 or 5475615 or 5477536 or 5508732 or 5515511 or 5519435 or 5521591 or 5528281 or 5535195 or 5563875 or 5629930 or 5631897 or 5636216 or 5668800 or 5675741 or 5754639 or 5793976 or 5802106 ),pn.						
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Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
Init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
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CH	2	4345116	1982-08-17	Ash et al.			
CH	3	4495570	1985-01-22	Khajima et al.			
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CH	5	4669113	1987-05-26	Ash et al.			
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Signature

Examiner Name	Date
/Chuong Ho/	01/01/2007

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## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v1.8  
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Title of Invention	METHOD AND APPARATUS FOR ASSESSMENT AND OPTIMIZATION OF NETWORK TRAFFIC						
Application Number:	10/070515 *10/070515*						
Confirmation Number:	6824						
First Named Applicant:	Michael Lloyd						
Attorney Docket Number:							
Search string:	( 5805594 or 5835710 or 5845091 or 5974457 or 6006264 or 6009081 or 6026411 or 6069889 or 6108703 or 6111881 or 6119235 or 6130890 or 6167052 or 6173324 or 6282562 or 6286045 or 6339595 or 6341309 or 6415323 or 6526056 or 6601098 or 6608841 or 6611872 or 6625648 or 6631419 or 6633640 or 6714549 or 6748426 or 6766381 or 20010037311 or 20020038331 or 20020124100 or 20030016770 ).pn.						
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CH	12	6130890	2000-10-10	Leinwand et al.			
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CH	1	20010037311	2001-11-01	McCoy et al.	A1		
CH	2	20020038331	2002-03-28	Flavin	A1		
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